

3/12/04

## PATENT APPLICATION

Sheet 1 of 6

FORM PTO-1449

LIST OF PATENTS AND PUBLICATIONS FOR  
APPLICANT'S INFORMATION DISCLOSURE  
STATEMENT

(Use several sheets if necessary)

ATTY. DOCKET NO.

200316546-1

APPLICATION NO.

CONFIRMATION NO.

APPLICANT

Randy L. Hoffman, et al.

FILING DATE

Herewith

GROUP

## REFERENCE DESIGNATION

## U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	PUBLICATION DATE	NAME	Pages, Columns, Lines Where Relevant Passages or Figures Appear
<i>den</i>	1A	5,744,864	08/28/1998	Cillessen, et al.	
	1B	2003/0047785	03/13/2003	Yamazaki	
	1C	2003/0111663	06/19/2003	Yagi	
	1D	2003/0218221	11/27/2003	Wager, III, et al.	
	1E	2003/0218222	11/27/2003	Wager, III, et al.	
	1F	60/490,239	07/25/2003		Transparent Thin Film Transistor with Zinc-Tin Oxide Channel...
	1G	10/763,353	01/25/2004		Semiconductor Device
<i>den</i>	1H	10/763,354	01/23/2004		Transistor including a Deposited Channel Region Having a...
	1I				
	1J				
	1K				

## FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	PUBLICATION DATE	NAME OF PATENTEE OR APPLICANT	Pages/Columns/Lines Where Relevant Passages/Figures Appear	Check if Translation attached
<i>den</i>	1L	WO 97/006544	02/20/1997	Cillessen, et al.		E
<i>den</i>	1M	EP1134811	09/19/2001	Kawasaki, et al.		
	1N					
	1O					
	1P					

## OTHER REFERENCES (including Author, Title, Date, Pertinent Pages, etc.)

<i>den</i>	1Q	Aoki, Akira, et al., "Tin Oxide Thin Film Transistors", Japan J. Appl. Phys., Vol. 9, p.582 (1970).
<i>den</i>	1R	Carcia, P.F., et al., "Transparent ZnO thin-film transistor fabricated by rf magnetron sputtering", Applied Physics Letters, Vol. 82, No. 7, pp. 1117-1119 (February 17, 2003).
<i>den</i>	1S	Carcia, P.F., et al., "ZnO Thin Film Transistors for Flexible Electronics", Mat. Res. Soc. Symp. Proc., Vol. 769, pp. H72.1-H72.6 (2003).

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DATE CONSIDERED

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## PATENT APPLICATION

Sheet 2 of 6

FORM PTO-1449  LIST OF PATENTS AND PUBLICATIONS FOR APPLICANT'S INFORMATION DISCLOSURE STATEMENT  (Use several sheets if necessary)	ATTY. DOCKET NO. <b>200316546-1</b>	APPLICATION NO.	CONFIRMATION NO.
	APPLICANT <b>Randy L. Hoffman, et al.</b>		
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	2L				
	2M				
	2N				
	2O				
	2P				

## OTHER REFERENCES (including Author, Title, Date, Pertinent Pages, etc.)

<i>Ref</i>	2Q	Fu, Shelton, et al., "MOS and MOSFET with Transistion Metal Oxides", SPIE Vol. 2697, pp. 520-527.
<i>Ref:</i>	2R	Giesbers, J.B., et al., "Dry Etching of All-Oxide Transparent Thin Film Memory Transistors", Microeletronic Engineering, Vol. 35, pp. 71-74 (1997).
<i>Ref</i>	2S	Grosse-Holz, K.O., et al. "Semiconductive Behavior of Sb Doped SnO2 Thin Films", Mat. Res. Soc. Symp. Proc., Vol. 401, pp. 67-72 (1996).

EXAMINER <i>Deliuskyer</i>	DATE CONSIDERED <i>10/27/06</i>
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## PATENT APPLICATION

Sheet 3 of 6

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	3L				
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	3N				
	3O				
	3P				

## OTHER REFERENCES (including Author, Title, Date, Pertinent Pages, etc.)

<i>RL</i>	3Q	Hoffman, R.L., et al., "ZnO-based transparent thin-film transistors", Applied Physics Letters, Vol. 82, No. 5, pp. 733-735 (February 3, 2003).
<i>RL</i>	3R	Masuda, Satoshi, et al., "Transparent thin film transistors using ZnO as an active channel layer and their electrical properties", Journal of Applied Physics, Vol. 93, No. 3, pp. 1624-1630 (February 1, 2003).
<i>RL</i>	3S	Nishi, Junya, et al., "High Mobility Thin Film Transistors with Transparent ZnO Channels", Jpn. J. Appl. Phys., Vol. 42, Part 2, No. 4A, pp. L347-L349 (April, 2003).

EXAMINER

*Richard L. Hoffman*

DATE CONSIDERED

*10/27/06*

3/12/04

## PATENT APPLICATION

Sheet 4 of 6

FORM PTO-1449  LIST OF PATENTS AND PUBLICATIONS FOR APPLICANT'S INFORMATION DISCLOSURE STATEMENT  (Use several sheets if necessary)	ATTY. DOCKET NO. <b>200316546-1</b>	APPLICATION NO.	CONFIRMATION NO.
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	4L				
	4M				
	4N				
	4O				
	4P				

## OTHER REFERENCES (including Author, Title, Date, Pertinent Pages, etc.)

4Q	Ohya, Yutaka, et al., "Thin Film Transistor of ZnO Fabricated by Chemical Solution Deposition", Jpn. J. Appl. Phys., Vol. 40, Part 1, No. 1, pp. 297-298 (January, 2001).
4R	Pallecchi, Ilaria, et al. "SrTiO <sub>3</sub> -based metal-insulator-semiconductor heterostructures" Applied Physics Letters, Vol. 78, No. 15, pp. 2244-2246 (April 9, 2001).
4S	Prins, M. W. J., et al., "A ferroelectric transparent thin-film transistor", Appl. Phys. Lett., Vol. 68, No. 25, pp. 3650-3652 (June 17, 1996).

EXAMINER

*Michael J. Meyer*

DATE CONSIDERED

*10/27/06*

3/12/09

## PATENT APPLICATION

Sheet 5 of 6

FORM PTO-1449  LIST OF PATENTS AND PUBLICATIONS FOR APPLICANT'S INFORMATION DISCLOSURE STATEMENT  (Use several sheets if necessary)	ATTY. DOCKET NO. <b>200316546-1</b>	APPLICATION NO.	CONFIRMATION NO.
	APPLICANT <b>Randy L. Hoffman, et al.</b>		
	FILING DATE <b>Herewith</b>	GROUP	

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	5L				
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	5N				
	5O				
	5P				

## OTHER REFERENCES (including Author, Title, Date, Pertinent Pages, etc.)

<i>pln</i>	5Q	Seager, C.H., et al., "Charge Trapping and device behavior in ferroelectric memories", Appl. Phys. Lett., Vol. 68, No. 19, pp. 2660-2662 (May 6, 1996).
<i>pln</i>	5R	Uneno, K., et al. "Field-effect transistor on SrTiO <sub>3</sub> with sputtered Al <sub>2</sub> O <sub>3</sub> gate insulator". Applied Physics Letters, Vol. 83, No. 9, pp. 1755-1757 (September 1, 2003).
<i>pln</i>	5S	Wöllenstein, Jürgen, et al., "An insulated gate thin-film transistor using SnO <sub>2</sub> as semiconducting channel, a possible new gas sensor device" The 11th European Conference on Solid State Transducers, pp. 471-474 (September 21-24, 1997).

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DATE CONSIDERED

7/12/09

## PATENT APPLICATION

Sheet 6 of 6

<b>FORM PTO-1449</b>  <b>LIST OF PATENTS AND PUBLICATIONS FOR APPLICANT'S INFORMATION DISCLOSURE STATEMENT</b>  (Use several sheets if necessary)	ATTY. DOCKET NO.	APPLICATION NO.	CONFIRMATION NO.
	200316546-1		
	APPLICANT		
	Randy L. Hoffman, et al.		
	FILING DATE	GROUP	
	Herewith		

## REFERENCE DESIGNATION

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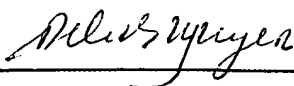
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	6M				
	6N				
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	6P				

## OTHER REFERENCES (including Author, Title, Date, Pertinent Pages, etc.)

dest	6Q	Yoshida, A., "Three Terminal Field Effect Superconducting Device Using SrTiO <sub>3</sub> Channel" IEEE Transactions on Applied Superconductivity, Vol. 5, No. 2, pp. 2892-2895 (June, 1995).
dest	6R	Solid-State Electronics, Vol. 7, Pergamon Press, Notes pp. 701-702 (1964).
dest	6S	Anonymous, "Transparent and/or memory thin film transistors in LCD's and PLEAD_" Research Disclosure, p. 890 (July 1998).

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Sheet	1	of	2
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**Complete if Known**

Application Number	10/799839
Filing Date	Mar 12, 2004
First Named Inventor	Randy Hoffman
Art Unit	
Examiner Name	
Attorney Docket Number	200316546-1

## U. S. PATENT DOCUMENTS

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		Application Number	10/799839
		Filing Date	Mar 12, 2004
		First Named Inventor	Randy Hoffman
		Art Unit	
		Examiner Name	
		Attorney Docket Number	200316546-1
Sheet	2	of	2

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Examiner Signature	<i>Debra S. Meyer</i>	Date Considered	10/27/06
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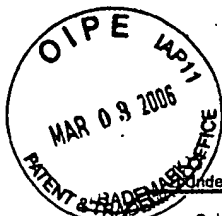
**1** Applicant's unique citation designation number (optional). **2** Applicant is to place a check mark here if English language Translation is attached.

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## INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Sheet 1 of 2

### Complete if Known

Application Number	10/799839
Filing Date	Mar 12, 2004
First Named Inventor	Randy Hoffman
Art Unit	
Examiner Name	Unassigned
Attorney Docket Number	200316546-1

### U. S. PATENT DOCUMENTS

Examiner Initials*	Cite No. <sup>1</sup>	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code <sup>2</sup> (if known)			
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RLZ		JP 2003-086808	03-20-2003	Kawasaki		

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Filing Date	Mar 12, 2004
First Named Inventor	Randy Hoffman
Art Unit	
Examiner Name	Unassigned
Attorney Docket Number	200316546-1

Sheet 2 of 2

**NON PATENT LITERATURE DOCUMENTS**

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per		Proceedings of the IEEE, Proceedings Letters, November 1968, pgs 2094-2095.	
per		Extended abstracts of the 2000 International Conference on Solid State Devices and Materials; Aug 29-31, 2000, Sendai Intl Center, pgs 128-129.	
per		OHTOMO, "Novel Semiconductor Technologies of ZnO Films towards...", IEICE Trans. Electron., Vol E83-C, No 10, Oct 2000, pgs 1614-1617.	

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Signature*Delia Skye*Date  
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Sheet 1 of 1

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Application Number	10/799839
Filing Date	Mar 12, 2004
First Named Inventor	Randy Hoffman
Art Unit	2814
Examiner Name	Dilinh Nguyen
Attorney Docket Number	200316546-1

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Examiner Initials*	Cite No. <sup>1</sup>	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code <sup>2</sup> (if known)			
DLN		US- 2004/0127038	07-01-2004	Carcia et al	
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		Country Code <sup>3</sup> -Number <sup>4</sup> -Kind Code <sup>5</sup> (if known)				

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*Dilinh Nguyen*

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